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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/803,403	03/18/2004	David D. Crouch	PD-02W127	5544
7590 04/28/2005 THOMAS J. FINN, ESQ. RAYTHEON COMPANY EO/E4/N119, P.O.BOX 902 2000 E. EL SEGUNDO BLVD. EL SEGUNDO, CA 90245-0902			EXAMINER BEN, LOHA	
			2873	
			DATE MAILED: 04/28/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

-		Application No.	Applicant(s)		
Office Action Summary		10/803,403	CROUCH, DAVID D.		
		Examiner	Art Unit		
		LOHA BEN	2873		
Period f	The MAILING DATE of this communication a or Reply	ppears on the cover sheet wi	th the correspondence address		
THE - External control	MORTENED STATUTORY PERIOD FOR REF MAILING DATE OF THIS COMMUNICATION ensions of time may be available under the provisions of 37 CFR or SIX (6) MONTHS from the mailing date of this communication. The period for reply specified above is less than thirty (30) days, a replayed for reply is specified above, the maximum statutory period to reply within the set or extended period for reply will, by state that the period for reply will, by state that the mained patent term adjustment. See 37 CFR 1.704(b).	1.  1.136(a). In no event, however, may a reply within the statutory minimum of third will apply and will expire SIX (6) MON ute, cause the application to become AB	eply be timely filed y (30) days will be considered timely. THS from the mailing date of this communication. ANDONED (35 U.S.C. § 133).		
Status					
1)🛛	Responsive to communication(s) filed on 18	<u>March 2004</u> .			
2a) <u></u> ☐	This action is FINAL. 2b)⊠ This action is non-final.				
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.				
Disposit	tion of Claims				
5)⊠ 6)⊠ 7)□ 8)□ Applicat	Claim(s) 1-29 is/are pending in the application  4a) Of the above claim(s) is/are withd  Claim(s) 12-19 is/are allowed.  Claim(s) 1-11 and 20-29 is/are rejected.  Claim(s) is/are objected to.  Claim(s) are subject to restriction and the specification is objected to by the Examination.	rawn from consideration.	Loha Ben Primary Examiner		
10)⊠	The drawing(s) filed on 18 March 2004 is/are Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the	e: a) accepted or b) objusted or b) objusted or b) objusted or abeyared or by a displaying or action is required if the drawing	nce. See 37 CFR 1.85(a). (s) is objected to. See 37 CFR 1.121(d).		
Priority	under 35 U.S.C. § 119				
à)	Acknowledgment is made of a claim for forei  All b) Some * c) None of:  1. Certified copies of the priority docume  2. Certified copies of the priority docume  3. Copies of the certified copies of the priority docume  application from the International Bure  See the attached detailed Office action for a light	ents have been received. ents have been received in A riority documents have been eau (PCT Rule 17.2(a)).	opplication No received in this National Stage		
Attachme	nt(s) ice of References Cited (PTO-892)	4) 🔲 Interview S	Summary (PTO-413)		
2) Noti 3) Info	ice of Draftsperson's Patent Drawing Review (PTO-948) rmation Disclosure Statement(s) (PTO-1449 or PTO/SB/0 er No(s)/Mail Date <u>0304</u> .		s)/Mail Date nformal Patent Application (PTO-152)		

Application/Control Number: 10/803,403

Art Unit: \*\*\*

DETAILED ACTION

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-11 and 20-29 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 1: lines 2 and 5, respectively, it is not seen whether the respective beam passed by the first means are the same; and line 6, it is not seen where the reflection occurs, and by what.

Claims 2-11, depending from claim 1, inherit the indefiniteness thereof.

Claims 20 and 21: line 1, "The system" has no antecedent basis.

In claim 22: line 3, it is not seen by what element the passing of the beam occurs; line 6, similarly, it is not seen by what element the selective altering is conducted, and by what component the reflection of a beam occurs; and lines 7 and 8, "said first means" has no antecedent basis.

In claims 24, 26 and 28: same issues as in claim 1 are again noted.

Claims 23, 25, 27 and 29, depending from claims 22, 24, 26 and 28, respectively, inherit the indefiniteness thereof.

Allowable Subject Matter

Claims 12-19 are allowed.

Art Unit: \*\*\*

Claims 1, 22, 24, 26 and 28 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action.

Claims 2-11, 20, 21, 23, 25, 27 and 29 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

The allowability of claims 1-27 centers on the perforation characteristic of the elements used, and that of claims 28 and 29 is noted with the metallic nature of the beamsplitter and the quarter-wave plate that exhibit the characteristics claimed therein.

## Communication

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Loha Ben whose telephone number is (571) 272-2323. The examiner can normally be reached on Monday to Saturday, generally between 12:00 noon and 8:00 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Georgia Y. Epps, can be reached on Monday to Friday, at (571) 272-2328. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Application/Control Number: 10/803,403 Page 4

Art Unit: \*\*\*

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

April 27, 2005

Primary Examiner